

Active Recombinant Mouse Il11 Protein

Cat. No. Il11-182I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il11 Protein without tag was expressed in HEK 293.
Species	Mouse
Source	HEK293
Description	Interleukin-11 (IL-11) is a pleiotropic cytokine that was originally detected in the conditioned medium of an IL-1 α -stimulated primate bone marrow stromal cell line (PU-34) as a mitogen for the IL-6-responsive mouse plasmacytoma cell line T11. IL-11 contains no cysteine residues or potential glycosylation sites. IL-11 has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap those for IL-6. In vitro, IL-11 can synergize with IL-3, IL-4 and SCF to shorten the G0 period of early hematopoietic progenitors. IL-11 also enhances the IL-3-dependent megakaryocyte colony formation. IL-11 has been found to stimulate the T cell dependent development of specific immunoglobulin-secreting B cell.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 3 ng/mL, measured in a cell proliferation assay using T11 cells.
Molecular Mass	~21 kDa, observed by reducing SDS-PAGE.
AA Sequence	GPPAGSPRVSSDPRADLDSAVLLTRSLADTRQLAAQMRDKFPADGDHSLDSLPTL AMSAGTLGSLQLPGVLTRLRVDLMSYLRHVQWLRRAAGGPSLKTLEPELGALQARLE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	RLLRRLQLLMSRLALPQAAPDQPVIPLGPPASAWGSIRAAHAILGGLHLTLDWAVRG LLLLKTRL
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Murine Interleukin-11 (IL-11) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Murine Interleukin-11 (IL-11) should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	Il11 interleukin 11 [<i>Mus musculus</i>]
Official Symbol	Il11
Synonyms	IL11; interleukin 11; interleukin-11; IL-11;
Gene ID	16156
mRNA Refseq	NM_008350
Protein Refseq	NP_032376
UniProt ID	P47873

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA